

2

In the specification:

Page 1, line 2, amend as follows:

CROSS-REFERENCE TO A RELATED APPLIATION

The invention described and claimed hereinbelow is also described in German Patent Application DE 19914600.4 filed on March 30, 1999. This German Patent Application, whose subject matter is incorporated here by reference, provides the basis for a claim of priority of invention under 35 U.S.C. 119(a)-(d).

BACKGROUND OF THE INVENTION~~Prior Art~~

Page 3, lines 1-13, amend as follows:

~~Advantages of the Invention~~

~~With the provisions according to claim 1,~~

SUMMARY OF THE INVENTION

2

It is therefore an object of the present invention to provide a method for synchronization, in which the precision of synchronization can be improved considerably over known methods. While the known methods can actually be used only for coarse block synchronization, the method according to the invention offers quite precise results both in terms of fine block estimation and frequency estimation. The embodiment according to the invention is advantageously suitable as a transmission method for OFDM. If a coherent demodulation is provided, then the synchronization train can be used for block synchronization, and estimating the center frequency error can also be used to estimate the channel pulse response.

Page 4, line 7, amend as follows:

~~Drawings~~BRIEF DESCRIPTION OF THE DRAWINGS

Page 4, line 22, amend as follows:

~~Description of Exemplary Embodiments~~DESCRIPTION OF THE
PREFERRED EMBODIMENTS